

DEPARTMENT of ENVIRONMENTAL SERVICES
Water Division - Watershed Management Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

Lake: PHILLIPS POND	Lake Area (ha):	22.26
Town: ODELL	Maximum depth (m):	---
County: Coos	Mean depth (m):	---
River Basin: Connecticut	Volume (m ³):	---
Latitude: 44°45'32" N	Relative depth:	---
Longitude: 71°21'14" W	Shore configuration:	---
Elevation (ft): 1945	Areal water load (m/yr):	---
Shore length (m): 2700	Flushing rate (yr ⁻¹):	---
Watershed area (ha): ---	P retention coeff.:	---
% watershed ponded: ---	Lake type:	natural w/dam

BIOLOGICAL:

1 April 2002

DOM. PHYTOPLANKTON (% TOTAL) #1

#2

#3

PHYTOPLANKTON ABUNDANCE (units/mL)

CHLOROPHYLL-A (µg/L)

DOM. ZOOPLANKTON (% TOTAL) #1

#2

#3

ROTIFERS/LITER

MICROCRUSTACEA/LITER

ZOOPLANKTON ABUNDANCE (#/L)

VASCULAR PLANT ABUNDANCE

SECCHI DISK TRANSPARENCY (m)

BOTTOM DISSOLVED OXYGEN (mg/L)

BACTERIA (E. coli, #/100 ml) #1

#2

#3

SUMMER THERMAL STRATIFICATION:

Depth of thermocline (m):
Hypolimnion volume (m³):
Anoxic volume (m³):

CHEMICAL:

Lake: PHILLIPS POND

Town: ODELL

		1 April 2002			
DEPTH (m)					
pH (units)					
A.N.C. (Alkalinity)					
NITRATE NITROGEN					
TOTAL KJELDAHL NITROGEN					
TOTAL PHOSPHORUS					
CONDUCTIVITY (μ mhos/cm)					
APPARENT COLOR (cpu)					
MAGNESIUM					
CALCIUM					
SODIUM					
POTASSIUM					
CHLORIDE					
SULFATE					
TN : TP					
CALCITE SATURATION INDEX					

All results in mg/L unless indicated otherwise

TROPHIC CLASSIFICATION: 2002

D.O. S.D. PLANT CHL TOTAL CLASS

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COMMENTS:

1. Access to and the land around this pond is under lease. The leaseholder stocks the pond with fish and charges an admission fee to gain access to the pond. NH Fish and Game previously stocked the pond and, at that time, it was listed as a fly fishing only, walk-in remote pond.
2. The pond is currently considered private for sampling purposes and was removed from our list of lakes to sample. It will be re-considered for sampling when the lease is up if the state resumes control of the pond.